Communicating Things that People Care About
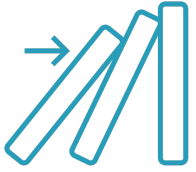
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SOFTWARE ARCHITECT

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Introducing Azure Monitor

So far, our communications have all been push-oriented

But we need to actively monitor as well as responding to events

There is cross-over between automated communications and instrumentation

What is Azure Monitor?

A tool for keeping track of resources in Azure

An effort to unify logging and instrumentation in Azure

One-stop Shopping

Where is the data?

– For a database, the transaction log

– For a web server, the server log

– For an application the app log

Log shipping and ingestion

ELK

– Elasticsearch

– Logstash

– Kibana

Three Big Ideas

1. Logs

2. Metrics

3. Alerts

Logs – the raw(ish) logging data

Metrics – time-sequenced performance NUMBERS

Alerts – encapsulation of a metric as an event and a reaction to that event

Monitoring System Resources on a VM

1. **For my Azure VM**
2. **If the Average CPU Percentage**
3. **If greater than**
4. **75%**
5. **For Five Minutes**
6. **Provision a new VM**

1. **For my Azure VM**
2. **If the Average CPU Percentage**
3. **If less than**
4. **75%**
5. **For Thirty Minutes**
6. **Take the instance offline**

Azure Monitor Agents

Azure Monitor Agent

Log Analytics Agent

Dependency Agent

Diagnostics Extension

THANK YOU FOR WATCHING!!!

https://app.pluralsight.com/library/courses/microsoft-azure-administrator-monitor-resources-az-monitor